

Plex 6/5/2018 1:44 PM Dart.Dubois.Pascal



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

**PURCHASE ORDER
PO040051**

Supplier:	MCM001-VU McMaster-Carr Supply Co, P.O. Box 7690 Chicago, IL 60680-7690 USA Phone: 330 995 5500 Fax: 330 995 9600	PO No:	PO040051
		PO Date:	5/30/18
		Due Date:	6/1/18
		Purchase Order Revision:	
		Revision Date:	
		Ship-To Contact:	Lavoie, Chantal Phone: clavoie@dartaero.com
Ship To:	1270 Aberdeen Street Hawkesbury ON K6A 1K7 Canada Phone: 613-632-5200	Via:	Ground
		Pymt Terms:	2% 10 Net 30
		Freight Terms:	
		Special Comments:	

E-MAILED
MAY 30 2018

Items											
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price	
1	8569K23	6" x 2 ft	Teflon PTFE Plastic 0.020" receive ea	Firmed	6/1/18	5 sf	0 sf	5 sf	\$19.08333/sf	\$95.42	
Line Item Note 1 PCS OF 6"X10FT											
2	84735K117	50/pk	Cap receive ea	Firmed	6/1/18	100 Ea	100	0 Ea	\$0.2758/Ea	\$27.58	
3	92198A111	25/pk	Bolt receive ea	Firmed	6/1/18	25 Ea	25	0 Ea	\$0.2124/Ea	\$5.31	
4	8610K12		Rubber Sheet, 36" x 36" x 1/8" Thick	Firmed	6/1/18	9 sf	0 sf	9 sf	\$22.09/sf	\$198.81	
Line Item Note 1 PCS OF 36" X 36"											
5	RBEL135M-2905-101-39	9003K41 1/PK	Poly-V Groove Belt	Firmed	6/1/18	3 Ea	3	0 Ea	\$10.69/Ea	\$32.07	
6	D3373-1P	1770A525	Cam Lock	Firmed	6/1/18	20 pcs	20	0 pcs	\$6.87/pcs	\$137.40	
Line Item Note item MC MASTER 1770A525 KEYED ALIKE											
7	90592A032	25/pk	Hex Nut	Firmed	6/1/18	50 Ea	50	0 Ea	\$0.268/Ea	\$13.40	
8	90685A046	50/pk	Hex Nut M10 X 1.5mm	Firmed	6/1/18	50 Ea	50	0 Ea	\$0.211/Ea	\$10.55	
9	90715A130	50/pk	Locknut	Firmed	6/1/18	50 Ea	50	0 Ea	\$0.1768/Ea	\$8.84	
10	91166A250	100/pk	Flat Washer ØM6 receive ea	Firmed	6/1/18	100 Ea	100	0 Ea	\$0.025/Ea	\$2.50	
11	91253A544	50/pk	Countersunk Screw receive pcs	Firmed	6/1/18	50 pcs	50	0 pcs	\$0.1572/pcs	\$7.86	
12	91280A332	100/pk	Hex Head Bolt, Steel, M6 x 1 x 22mm Lg. receive ea	Firmed	6/1/18	100 Ea	100	0 Ea	\$0.1109/Ea	\$11.09	
13	91420A120	100/pk	Flat Head Phillips Machine Screw	Firmed	6/1/18	100 Ea	100	0 Ea	\$0.0281/Ea	\$2.81	

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
14	92290A330	25/pk	Socket Cap Screw	Firmed	6/1/18	25 Ea	25 Ea	\$0.4864/Ea	\$12.16	AT 18/06/04
15	93325A340	5/pk	Threaded Rod	Firmed	6/1/18	30 Ea	28 Ea	30 Ea	\$1.83/Ea	\$54.90
16	93615A432	10/pk	Socket Head Cap Screw	Firmed	6/1/18	20 Ea	0 Ea	20 Ea	\$0.663/Ea	\$13.26
17	98381A503	50/pk	Dowel Pin	Firmed	6/1/18	50 Ea	50 Ea	50 Ea	\$0.1528/Ea	\$7.64
18	M4130NS.188	4459T29	4130 Sheet .188 : MATERIAL: AISI 4130N STEEL SHEET AS PER OR AS PER AMS 6345 MIL-S- 18729 OR AMS 6350 OR AMS 6351 receive sf	Firmed	6/1/18	9 sf	0 sf	9 sf	\$22.02777/sf	\$198.25
										JUN 05 2018 DAS 11 9-89
										Grand Total: \$839.85

Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 5/30/18 1:50 PM dart.lavoie.chantal



McMASTER-CARR®

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Line Product

17 4459T29 Easy-to-Weld 4130 Alloy Steel with Certification, 36" x 36" x 0.1900"

Purchase Order
PO040051 *pl*
Order Placed By
Chantal Lavoie
McMaster-Carr Number
4278566-02
Ordered Shipped

1 1
Each Each

Shipped separately from our Chicago warehouse on 05/31

14 93325A340 Grade B7 Medium Strength Steel Threaded Rod, M14 x 2 mm Thread Size, 300 mm Long 30 10
Each Each

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M4130 NS-188
 DATE: JUN 05 2018

PO / BATCH NO.: 040051/5078150

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 9 PIZ
 QUANTITY INSPECTED: 9 PIZ
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .188
 THICKNESS RECEIVED: .188
 SHEET SIZE ORDERED: 3X3
 SHEET SIZE RECEIVED: 3X3

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>AM56350</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	<u>PO# 040051 Part# 4459129</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y <input type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS</u> <u>11 JUN 05 2018</u>	SIGNED OFF BY:	
DATE:	<u>9:39</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



DESIGN BRADLEY	DRAWN BY BRADLEY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED 91	APPROVED 91	DRAWING NO. M4130N-S	REV. A	SHEET 1 OF 1
DATE 01.05.17	TITLE 4130 SHEET SPEC.		SCALE 1/4"	

PURCHASE - AISI 4130 N STEEL SHEET
PER ONE THE FOLLOWING
SPEC'S : MIL-S-18729, AMS6350
OR AMS 6351

RELEASED
11.05.18

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METALLURGICAL TESTING LABORATORY
 15 ROEMER BLVD.
 FARRELL, PA 16121
 CONTACT: DALE SIDDONS
 TELEPHONE: (724) 983-6464 X1298
 FAX: (724) 982-4423

CERTIFIED MILL
TEST REPORT

Customer:	WILCO (DBA)	ORDER #	414616-01	CUST. PO#	13052-1
Address:	3502 W. HARRY	SIZE	.190 X 36.000		
	WICHITA, KS 67213	WT. SHIPPED	35540		
Phone:	316-943-9379	HEAT #	NLPU4059		
Fax:	316-943-9664	GRADE/TYPE	4130AQ (Spherodized Annealed) CR		
Representative:	Dean Schroer	Testing Required	AMS6350N/6351K, ASTM505/506/EN 10204 3.1		
			AMS2252D/2301K / (MIL-S-18729)		

As Processed Results				ASTM TEST METHOD			E8			E18	E290	E45	E112	E1077
Coil #	Heat #	Gauge	Area	Yield PSI	Ultimate PSI	Elong 2%	Hardness HRBW	Bend Test 1/2T-HW		E-45 Rating 100X	Grain Size 100X	Decarb 100X		
7972867	NLPU4059	.190	.0930	56840	78990	29	84	PASS	0	8	8	0		

Heat Treated Results*			
ASTM TEST METHOD			E18
Coil #	Heat #	Gauge	Hardness HRC
7972867	NLPU4059	.190	33

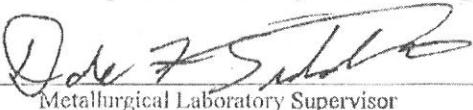
*Denotes outsourced to independent laboratory (A2LA Accredited)

Hardness Test Per ASTM E-18	
	Average
Surface (HRA)	74.5
Core (HRA)	76.0

Requirement: The difference in hardness between the surface and core shall not be greater than 2.0

CONFORMANCE: The sample submitted has passed all testing requirements.

By:


 Dale F. Siddons

Metalurgical Laboratory Supervisor

Date:

10-3-17

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